

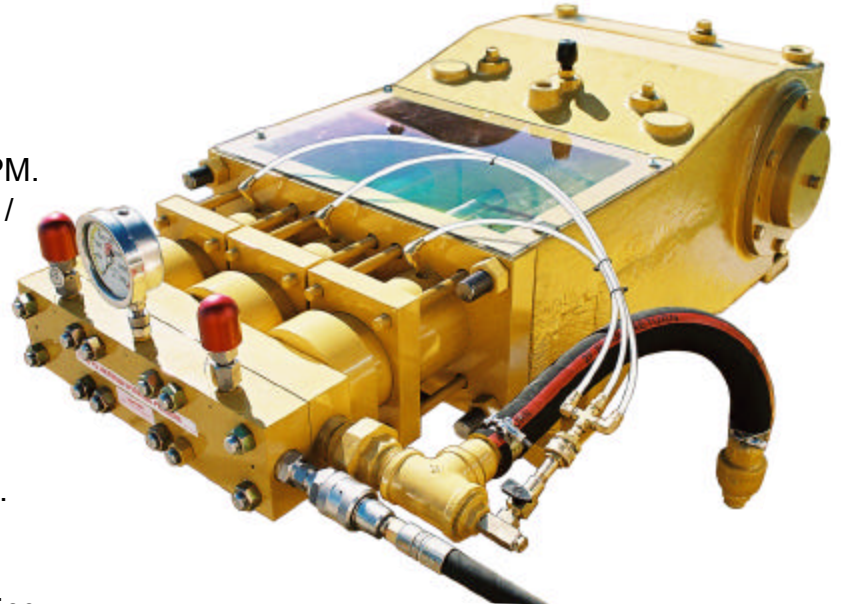


TY-375H

Pressures to 20,000 PSI
Flows to 21.6 GPM • Power to 300 HP

Features

- ◆ Pressures to 20,000 PSI / 1379 Bar
- ◆ Inline fluid end design.
- ◆ Flow rates from 8.6 GPM to 21.6 GPM.
- ◆ Maximum frame load of 19,500 Lbs. / 8845 Kg for single speed.
- ◆ High volumetric efficiency for maximum horsepower utilization.
- ◆ Field proven design.
- ◆ Extremely reliable.
- ◆ Easy field maintenance.
- ◆ Stainless steel fluid end construction.
- ◆ Manufactured on state-of-the-art machinery.
- ◆ Rigorously subjected to full load testing.



Applications

- ◆ Water Blasting
- ◆ Hydrostatic Testing
- ◆ Chemical Injection
- ◆ Surface Preparation

Performance Specifications

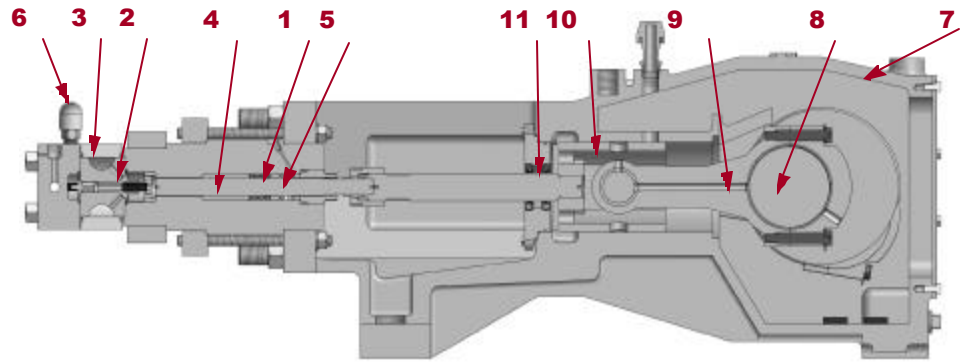
TY-375H at 300 HP	PLUNGER DIA. 1.062" - 27mm	MAX. PRESSURE		FLOW					
		PSI	BAR	200 RPM		400 RPM		500 RPM	
				GPM	LPM	GPM	LPM	GPM	LPM
		20K	1379	8.6	32.8	17.3	65.5	21.6	81.9

Note: All flows are based on 100% volumetric efficiency.

Stroke: **3.75" / 95 mm** • Max. Speed: **515 RPM** • Weight: **1,950 Lbs. / 885 Kg**



TY-375H PUMP



Fluid End

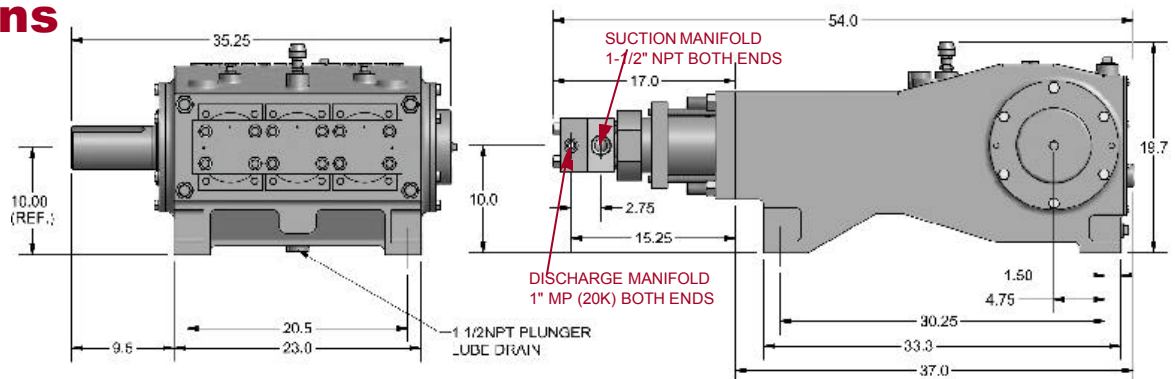
- 1. Fluid Cylinder Body:** Three cylinders machined from hardened stainless steel and autofrettaged for extended life.
- 2. Valves:** Heat-treated stainless steel, spring-loaded for positive closing. Both are machined, heat-treated and ground.
- 3. Suction Manifold:** Anodized aluminum. Also available in stainless for salt water applications.
- 4. Plungers:** Tungsten carbide.
- 5. Plunger Packing:** Multiple element chevron style, spring-loaded and self-adjusting. Easily replaceable from the rear of the stuffing box. Force-fed water provides lubrication and cooling.
- 6. Pressure Relief:** Pressure safety head assembly (two rupture discs), integrally mounted in the fluid cylinder.

Power End

- 7. Power Frame:** Manufactured from a single piece casting of high strength gray cast iron.
- 8. Crankshaft:** Double extended alloy steel with tapered roller bearings to minimize side thrust load.
- 9. Connecting Rods:** Ductile iron with automotive type split insert bearings.
- 10. Crossheads:** Large, piston type constructed of gray iron.
- 11. Diaphragm Seals:** Installed with o-rings and neoprene oil seals.

Bearings and crossheads are oil lubricated with a combined splash gravity system that insures adequate circulation at speeds as low as 200 RPM.

Dimensions TY-375H



**GARDNER DENVER
WATER JETTING
SYSTEMS, INC.**

